



KLION Report

Proprietà Sito

Sito: IM003

Attuatore: Comune di Borgomaro (IM)

Proprietà Tubo

Nome: RM574_I6

Azimuth [°]: 10.00

Orientamento: VERTICALE

Latitudine: 43.971301

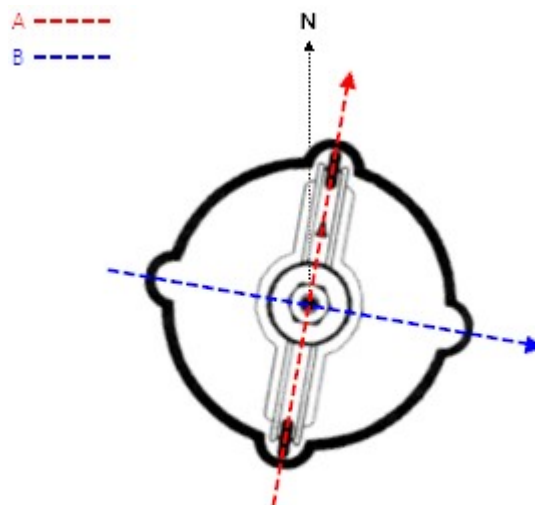
Longitudine: 7.913849

Altitudine [m s.l.m.]: 415

Sporgenza dal Suolo [m]: 0

Posizione

Orientamento



Azimuth [°]: 10.00

Opzioni di elaborazione inclinometrica

Riferimento al fondo: Sì

Compensazione spiralometrica: No

Relativo - variazione dalla misura di riferimento

Curva cumulata

Correzione Bias Shift: No

Misura inclinometrica del 12/05/2022 00:00

Data/Ora: 12/05/2022 00:00:00

Sequenza Letture: A1A3B1B3

ID Sonda (serial number): S060314

Sensibilità sonda [sin α]: 20000

Ch A convenzione: -1

Ch B convenzione: -1

Profondità 1.a lettura [m]: 0.5

Intervallo letture [m]: 0.5

Misura di riferimento: 12/05/2022 00:00

Spostamenti rispetto alla verticale

Prof [m]	Nord [mm]	Est [mm]
0.50	2.98	-0.44
1.00	2.76	-0.10
1.50	1.78	0.92
2.00	0.21	1.79
2.50	-1.31	2.84
3.00	-3.06	4.41
3.50	-4.17	5.53
4.00	-4.72	5.31
4.50	-4.80	5.20
5.00	-4.69	5.01
5.50	-4.65	4.77
6.00	-4.76	3.72
6.50	-4.57	3.97
7.00	-4.23	4.27
7.50	-3.77	4.10
8.00	-3.39	4.17
8.50	-3.02	4.58
9.00	-3.18	4.81
9.50	-2.83	4.30
10.00	-3.02	4.38
10.50	-2.71	4.09
11.00	-2.51	3.96
11.50	-2.98	4.13
12.00	-3.03	3.74
12.50	-2.71	2.99
13.00	-2.28	3.05
13.50	-1.78	3.23
14.00	-1.58	3.55
14.50	-1.82	3.68
15.00	-2.62	3.43
15.50	-4.11	3.82
16.00	-4.28	3.85
16.50	-4.22	3.97
17.00	-3.88	4.25
17.50	-3.62	4.63
18.00	-2.96	5.28
18.50	-2.35	5.69
19.00	-2.15	5.57
19.50	-1.71	5.09
20.00	-1.45	4.58
20.50	-1.57	4.18
21.00	-1.84	5.10
21.50	-1.00	7.60
22.00	-0.85	9.57
22.50	-0.89	11.95
23.00	-0.94	14.14
23.50	-0.70	15.25
24.00	-1.29	15.83
24.50	-2.13	17.05

Misura inclinometrica del 01/12/2022 00:00

Data/Ora: 01/12/2022 00:00:00

Sequenza Letture: A1A3B1B3

ID Sonda (serial number): S060314

Sensibilità sonda [sin α]: 20000

Ch A convenzione: -1

Ch B convenzione: -1

Profondità 1.a lettura [m]: 0.5

Intervallo letture [m]: 0.5

Misura di riferimento: Misura inclinometrica del 12/05/2022 00:00

Elaborazione dati - misura del 01/12/2022 00:00

Prof [m]	Quota [m slm]	Mov. rel. Nord [mm]	Mov. rel. Est [mm]	Mov. rel. Risultante [mm]	Azimuth Mov. rel. [°]	Σ Mov. rel. Nord [mm]	Σ Mov. rel. Est [mm]	Σ Mov. rel. Risultante [mm]	Σ Azimuth Mov. rel. [°]
0.50	414.50	0.06	1.03	1.03	86.64	-3.84	1.49	4.12	158.77
1.00	414.00	0.19	0.36	0.41	62.43	-3.90	0.47	3.93	173.18
1.50	413.50	0.02	0.02	0.03	36.57	-4.09	0.10	4.09	178.55
2.00	413.00	-0.35	0.23	0.42	146.22	-4.12	0.09	4.12	178.79
2.50	412.50	-0.10	0.21	0.23	115.52	-3.77	-0.14	3.77	182.19
3.00	412.00	-0.11	0.26	0.28	112.80	-3.67	-0.36	3.69	185.53
3.50	411.50	-0.06	0.03	0.06	153.13	-3.56	-0.61	3.61	189.80
4.00	411.00	-0.22	0.18	0.28	141.42	-3.50	-0.64	3.56	190.40
4.50	410.50	-0.20	0.14	0.25	145.00	-3.28	-0.82	3.38	194.03
5.00	410.00	-0.16	0.00	0.16	181.25	-3.08	-0.96	3.23	197.35
5.50	409.50	-0.06	-0.16	0.17	249.74	-2.92	-0.96	3.07	198.20
6.00	409.00	-0.27	-0.04	0.28	187.40	-2.86	-0.80	2.96	195.57
6.50	408.50	-0.61	0.12	0.62	168.63	-2.58	-0.76	2.69	196.40
7.00	408.00	-0.41	-0.06	0.41	188.26	-1.98	-0.88	2.16	204.04
7.50	407.50	-0.15	-0.15	0.22	225.54	-1.57	-0.82	1.77	207.67
8.00	407.00	0.10	-0.12	0.16	308.61	-1.42	-0.67	1.57	205.26
8.50	406.50	0.26	0.02	0.26	4.56	-1.52	-0.55	1.61	199.83
9.00	406.00	0.04	0.11	0.12	67.99	-1.78	-0.57	1.87	197.70
9.50	405.50	-0.32	0.01	0.32	178.69	-1.82	-0.68	1.94	200.37
10.00	405.00	-0.18	-0.32	0.37	240.44	-1.50	-0.68	1.65	204.46
10.50	404.50	0.09	-0.36	0.38	283.81	-1.32	-0.36	1.37	195.24
11.00	404.00	0.18	0.27	0.33	56.55	-1.41	0.01	1.41	179.79
11.50	403.50	-0.13	0.38	0.40	108.88	-1.59	-0.27	1.61	189.56
12.00	403.00	-0.18	-0.01	0.18	181.87	-1.46	-0.65	1.60	204.04
12.50	402.50	-0.03	-0.25	0.25	262.47	-1.28	-0.64	1.44	206.70
13.00	402.00	0.11	-0.14	0.18	308.30	-1.25	-0.40	1.31	197.67
13.50	401.50	0.25	0.01	0.25	1.47	-1.36	-0.25	1.39	190.52
14.00	401.00	0.30	-0.04	0.30	353.07	-1.62	-0.26	1.64	189.13
14.50	400.50	0.18	-0.07	0.19	338.39	-1.92	-0.22	1.93	186.66
15.00	400.00	-0.13	-0.11	0.17	220.26	-2.09	-0.15	2.10	184.19
15.50	399.50	-0.29	-0.23	0.37	218.30	-1.96	-0.04	1.96	181.20
16.00	399.00	-0.42	-0.19	0.46	204.04	-1.67	0.19	1.68	173.59
16.50	398.50	-0.46	-0.11	0.48	193.01	-1.25	0.38	1.30	163.19
17.00	398.00	-0.30	0.05	0.30	170.82	-0.78	0.48	0.92	148.30
17.50	397.50	-0.04	0.18	0.19	103.81	-0.48	0.44	0.65	137.97
18.00	397.00	0.00	0.20	0.20	89.38	-0.44	0.25	0.51	150.01
18.50	396.50	-0.23	0.29	0.37	128.30	-0.44	0.05	0.44	173.61
19.00	396.00	-0.24	0.38	0.45	122.99	-0.21	-0.24	0.32	228.66
19.50	395.50	0.01	0.12	0.12	87.47	0.03	-0.62	0.62	273.02
20.00	395.00	0.30	-0.20	0.36	326.40	0.03	-0.73	0.73	272.15
20.50	394.50	0.25	-0.29	0.38	311.61	-0.27	-0.53	0.60	242.65
21.00	394.00	-0.07	-0.18	0.19	248.39	-0.53	-0.25	0.58	204.93
21.50	393.50	-0.15	0.05	0.16	161.39	-0.46	-0.07	0.46	188.45
22.00	393.00	-0.14	0.03	0.15	170.02	-0.31	-0.12	0.33	200.89
22.50	392.50	-0.12	-0.03	0.13	195.71	-0.17	-0.14	0.22	220.96
23.00	392.00	-0.11	-0.08	0.14	216.57	-0.04	-0.11	0.12	247.99
23.50	391.50	-0.02	-0.05	0.06	253.43	0.07	-0.03	0.07	339.04
24.00	391.00	0.06	0.00	0.06	358.69	0.08	0.03	0.09	18.13
24.50	390.50	0.02	0.03	0.04	55.00	0.02	0.03	0.04	55.00

Misura inclinometrica del 16/11/2023 10:10

Data/Ora: 16/11/2023 10:10:52

Sequenza Letture: A1A3B1B3

ID Sonda (serial number):

Sensibilità sonda [sin α]: 20000

Ch A convenzione: -1

Ch B convenzione: -1

Profondità 1.a lettura [m]: 0.50

Intervallo letture [m]: 0.50

Misura di riferimento: Misura inclinometrica del 12/05/2022 00:00

Elaborazione dati - misura del 16/11/2023 10:10

Prof [m]	Quota [m slm]	Mov. rel. Nord [mm]	Mov. rel. Est [mm]	Mov. rel. Risultante [mm]	Azimuth Mov. rel. [°]	Σ Mov. rel. Nord [mm]	Σ Mov. rel. Est [mm]	Σ Mov. rel. Risultante [mm]	Σ Azimuth Mov. rel. [°]
0.50	414.50	0.71	1.29	1.48	61.28	-1.87	3.66	4.11	117.13
1.00	414.00	0.69	0.92	1.15	53.24	-2.58	2.36	3.50	137.54
1.50	413.50	0.44	0.74	0.86	59.61	-3.27	1.44	3.57	156.19
2.00	413.00	-0.15	0.49	0.51	106.88	-3.71	0.70	3.77	169.32
2.50	412.50	-0.05	0.22	0.22	102.21	-3.56	0.21	3.56	176.67
3.00	412.00	-0.03	0.30	0.30	95.95	-3.51	-0.01	3.51	180.15
3.50	411.50	0.01	0.13	0.13	85.13	-3.48	-0.31	3.49	185.07
4.00	411.00	-0.16	0.30	0.34	118.76	-3.49	-0.44	3.52	187.18
4.50	410.50	-0.15	0.23	0.27	122.87	-3.33	-0.74	3.41	192.49
5.00	410.00	-0.12	0.04	0.13	163.10	-3.18	-0.97	3.32	196.91
5.50	409.50	0.02	-0.24	0.24	275.24	-3.06	-1.00	3.22	198.15
6.00	409.00	-0.29	-0.02	0.29	184.85	-3.08	-0.77	3.17	193.98
6.50	408.50	-0.78	0.20	0.80	165.80	-2.79	-0.74	2.89	194.89
7.00	408.00	-0.50	-0.07	0.50	188.23	-2.02	-0.94	2.23	204.94
7.50	407.50	-0.14	-0.19	0.24	232.83	-1.52	-0.87	1.75	209.65
8.00	407.00	0.19	-0.12	0.23	327.98	-1.38	-0.68	1.54	206.15
8.50	406.50	0.42	0.08	0.42	10.98	-1.57	-0.56	1.67	199.48
9.00	406.00	0.12	0.15	0.19	51.73	-1.99	-0.64	2.09	197.76
9.50	405.50	-0.37	-0.09	0.38	193.13	-2.11	-0.79	2.25	200.50
10.00	405.00	-0.20	-0.37	0.42	241.64	-1.74	-0.70	1.88	201.97
10.50	404.50	0.16	-0.24	0.29	302.73	-1.54	-0.34	1.58	192.26
11.00	404.00	0.20	0.26	0.33	52.22	-1.70	-0.09	1.70	183.17
11.50	403.50	-0.28	0.40	0.49	125.47	-1.90	-0.35	1.93	190.51
12.00	403.00	-0.23	0.03	0.23	171.57	-1.61	-0.75	1.78	204.98
12.50	402.50	0.02	-0.34	0.34	274.09	-1.38	-0.79	1.59	209.60
13.00	402.00	0.23	-0.24	0.33	313.29	-1.41	-0.44	1.48	197.52
13.50	401.50	0.40	-0.06	0.40	351.98	-1.64	-0.20	1.65	187.08
14.00	401.00	0.44	-0.03	0.45	355.56	-2.04	-0.15	2.04	184.12
14.50	400.50	0.29	-0.04	0.30	351.69	-2.48	-0.11	2.48	182.59
15.00	400.00	-0.08	-0.17	0.19	246.24	-2.78	-0.07	2.78	181.43
15.50	399.50	-0.33	-0.35	0.48	227.25	-2.70	0.10	2.70	177.84
16.00	399.00	-0.62	-0.32	0.70	206.96	-2.38	0.45	2.42	169.18
16.50	398.50	-0.68	-0.18	0.70	194.90	-1.76	0.77	1.92	156.33
17.00	398.00	-0.39	0.07	0.40	169.74	-1.08	0.95	1.44	138.53
17.50	397.50	-0.06	0.34	0.35	99.38	-0.68	0.88	1.11	127.88
18.00	397.00	0.00	0.36	0.36	89.50	-0.63	0.54	0.83	139.50
18.50	396.50	-0.30	0.45	0.54	123.54	-0.63	0.17	0.65	164.66
19.00	396.00	-0.31	0.58	0.66	118.11	-0.33	-0.28	0.43	220.27
19.50	395.50	0.02	0.19	0.19	85.24	-0.02	-0.86	0.86	268.69
20.00	395.00	0.42	-0.27	0.50	327.35	-0.04	-1.05	1.05	268.07
20.50	394.50	0.50	-0.43	0.66	319.19	-0.45	-0.78	0.90	239.87
21.00	394.00	-0.02	-0.28	0.28	265.99	-0.95	-0.35	1.01	200.39
21.50	393.50	-0.33	0.05	0.34	171.36	-0.93	-0.07	0.93	184.31
22.00	393.00	-0.35	-0.04	0.35	187.13	-0.60	-0.12	0.61	191.46
22.50	392.50	-0.15	-0.10	0.18	212.73	-0.25	-0.08	0.26	197.23
23.00	392.00	-0.10	-0.13	0.17	231.88	-0.10	0.02	0.10	169.85
23.50	391.50	-0.10	-0.10	0.14	225.69	0.00	0.15	0.15	89.36
24.00	391.00	0.07	0.02	0.07	14.93	0.10	0.25	0.27	68.20
24.50	390.50	0.03	0.23	0.23	82.66	0.03	0.23	0.23	82.66

Misura inclinometrica del 06/11/2024 15:01

Data/Ora: 06/11/2024 15:01:09

Sequenza Letture: A1A3B1B3

ID Sonda (serial number): S222643

Sensibilità sonda [sin α]: 20000

Ch A convenzione: -1

Ch B convenzione: -1

Profondità 1.a lettura [m]: 0.50

Intervallo letture [m]: 0.50

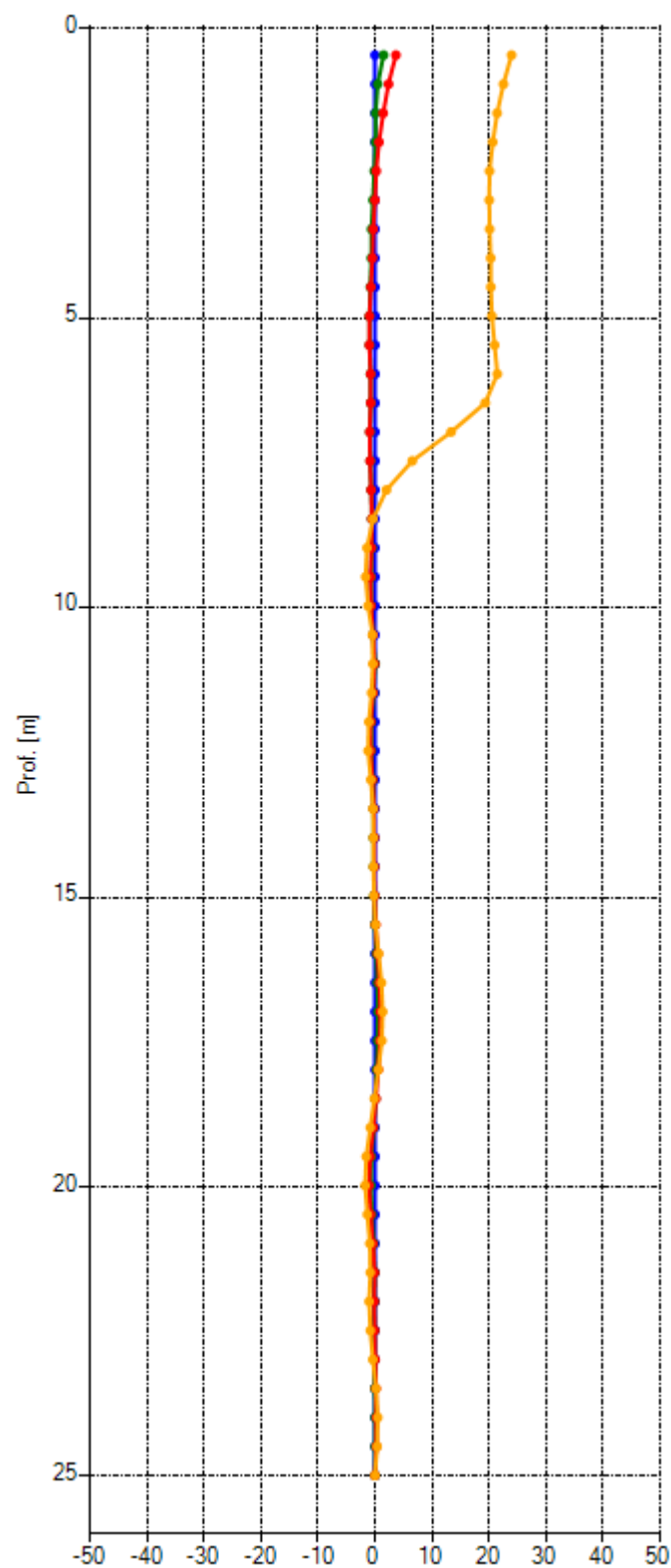
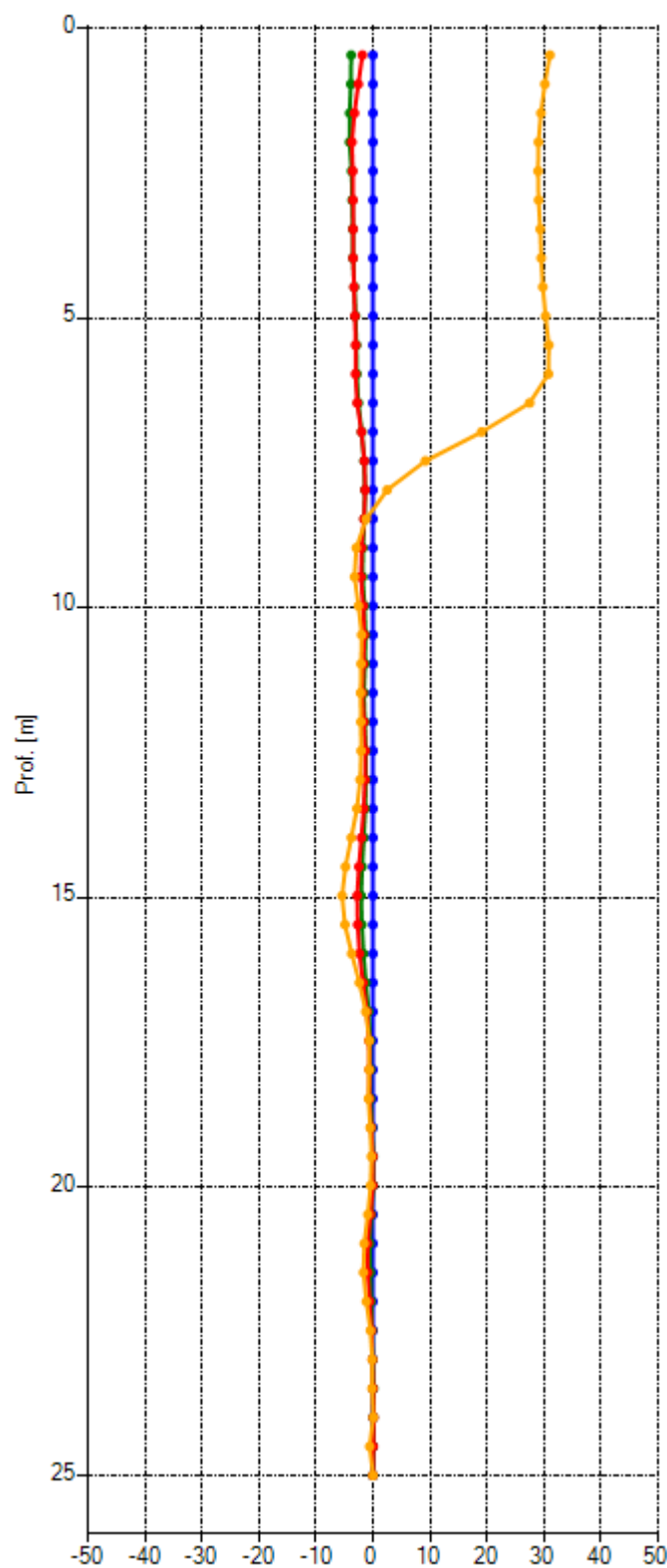
Misura di riferimento: Misura inclinometrica del 12/05/2022 00:00

Elaborazione dati - misura del 06/11/2024 15:01

Prof [m]	Quota [m slm]	Mov. rel. Nord [mm]	Mov. rel. Est [mm]	Mov. rel. Risultante [mm]	Azimuth Mov. rel. [°]	Σ Mov. rel. Nord [mm]	Σ Mov. rel. Est [mm]	Σ Mov. rel. Risultante [mm]	Σ Azimuth Mov. rel. [°]
0.50	414.50	0.88	1.42	1.67	58.18	31.01	23.93	39.17	37.66
1.00	414.00	0.69	1.10	1.30	58.02	30.13	22.52	37.62	36.77
1.50	413.50	0.44	0.77	0.89	60.13	29.45	21.42	36.41	36.03
2.00	413.00	0.05	0.56	0.56	84.44	29.00	20.64	35.60	35.44
2.50	412.50	-0.09	0.05	0.10	150.43	28.95	20.08	35.23	34.75
3.00	412.00	-0.28	-0.06	0.29	192.22	29.04	20.03	35.28	34.60
3.50	411.50	-0.18	-0.19	0.26	225.20	29.32	20.09	35.54	34.43
4.00	411.00	-0.28	-0.04	0.29	188.07	29.50	20.28	35.80	34.51
4.50	410.50	-0.47	-0.17	0.50	200.01	29.78	20.32	36.06	34.30
5.00	410.00	-0.56	-0.47	0.73	219.77	30.26	20.49	36.54	34.11
5.50	409.50	0.05	-0.49	0.50	276.00	30.82	20.96	37.27	34.22
6.00	409.00	3.31	2.13	3.93	32.81	30.76	21.45	37.50	34.89
6.50	408.50	8.41	5.97	10.31	35.37	27.46	19.32	33.57	35.13
7.00	408.00	9.85	6.82	11.99	34.70	19.05	13.35	23.26	35.02
7.50	407.50	6.72	4.53	8.11	33.97	9.20	6.53	11.28	35.37
8.00	407.00	3.66	2.35	4.35	32.69	2.47	2.00	3.18	38.95
8.50	406.50	1.74	1.06	2.04	31.33	-1.19	-0.35	1.24	196.42
9.00	406.00	0.31	0.24	0.39	38.10	-2.93	-1.41	3.25	205.71
9.50	405.50	-0.68	-0.43	0.80	212.19	-3.24	-1.65	3.63	207.02
10.00	405.00	-0.57	-0.78	0.97	234.06	-2.56	-1.22	2.83	205.56
10.50	404.50	0.13	-0.06	0.14	335.41	-1.99	-0.44	2.04	192.47
11.00	404.00	0.05	0.22	0.23	76.10	-2.11	-0.38	2.15	190.23
11.50	403.50	-0.03	0.48	0.48	93.81	-2.17	-0.60	2.25	195.48
12.00	403.00	-0.05	0.13	0.14	113.00	-2.14	-1.08	2.39	206.78
12.50	402.50	0.17	-0.47	0.49	289.71	-2.08	-1.21	2.41	210.05
13.00	402.00	0.58	-0.40	0.71	325.32	-2.25	-0.74	2.37	198.20
13.50	401.50	0.98	-0.07	0.98	356.15	-2.83	-0.34	2.85	186.80
14.00	401.00	1.02	-0.01	1.02	359.64	-3.81	-0.27	3.82	184.07
14.50	400.50	0.59	-0.07	0.59	353.24	-4.83	-0.27	4.84	183.14
15.00	400.00	-0.49	-0.28	0.57	209.81	-5.42	-0.20	5.42	182.07
15.50	399.50	-1.19	-0.54	1.31	204.58	-4.93	0.09	4.93	178.99
16.00	399.00	-1.35	-0.49	1.43	200.03	-3.74	0.63	3.79	170.42
16.50	398.50	-1.14	-0.22	1.16	191.01	-2.39	1.12	2.64	154.88
17.00	398.00	-0.58	0.16	0.60	164.59	-1.26	1.34	1.84	133.07
17.50	397.50	0.01	0.61	0.61	89.09	-0.68	1.18	1.36	119.76
18.00	397.00	0.11	0.69	0.70	81.30	-0.69	0.57	0.90	140.04
18.50	396.50	-0.31	0.69	0.76	113.85	-0.79	-0.12	0.80	188.52
19.00	396.00	-0.21	0.73	0.76	106.49	-0.49	-0.81	0.95	239.08
19.50	395.50	0.16	0.19	0.25	50.55	-0.27	-1.54	1.56	259.99
20.00	395.00	0.47	-0.37	0.60	321.37	-0.43	-1.73	1.78	256.06
20.50	394.50	0.64	-0.45	0.78	324.94	-0.90	-1.35	1.62	236.45
21.00	394.00	0.14	-0.09	0.16	328.05	-1.54	-0.90	1.78	210.46
21.50	393.50	-0.51	0.22	0.56	157.13	-1.68	-0.82	1.87	206.02
22.00	393.00	-0.72	-0.22	0.75	196.80	-1.16	-1.03	1.56	221.61
22.50	392.50	-0.30	-0.43	0.53	235.48	-0.45	-0.82	0.93	241.31
23.00	392.00	0.02	-0.55	0.55	271.71	-0.15	-0.38	0.41	248.82
23.50	391.50	-0.19	-0.30	0.35	237.03	-0.16	0.17	0.24	134.18
24.00	391.00	0.62	0.10	0.62	8.98	0.03	0.47	0.47	86.56
24.50	390.50	-0.59	0.37	0.69	147.82	-0.59	0.37	0.69	147.82

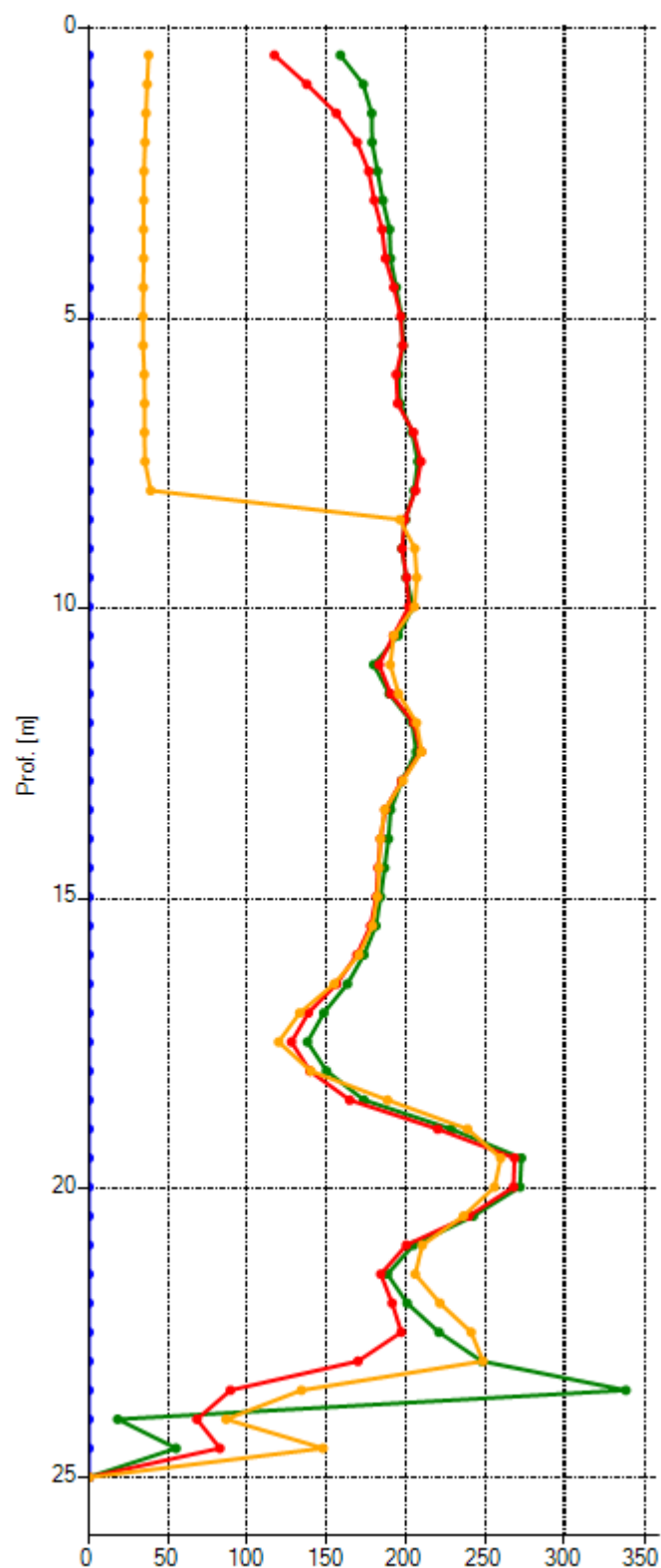
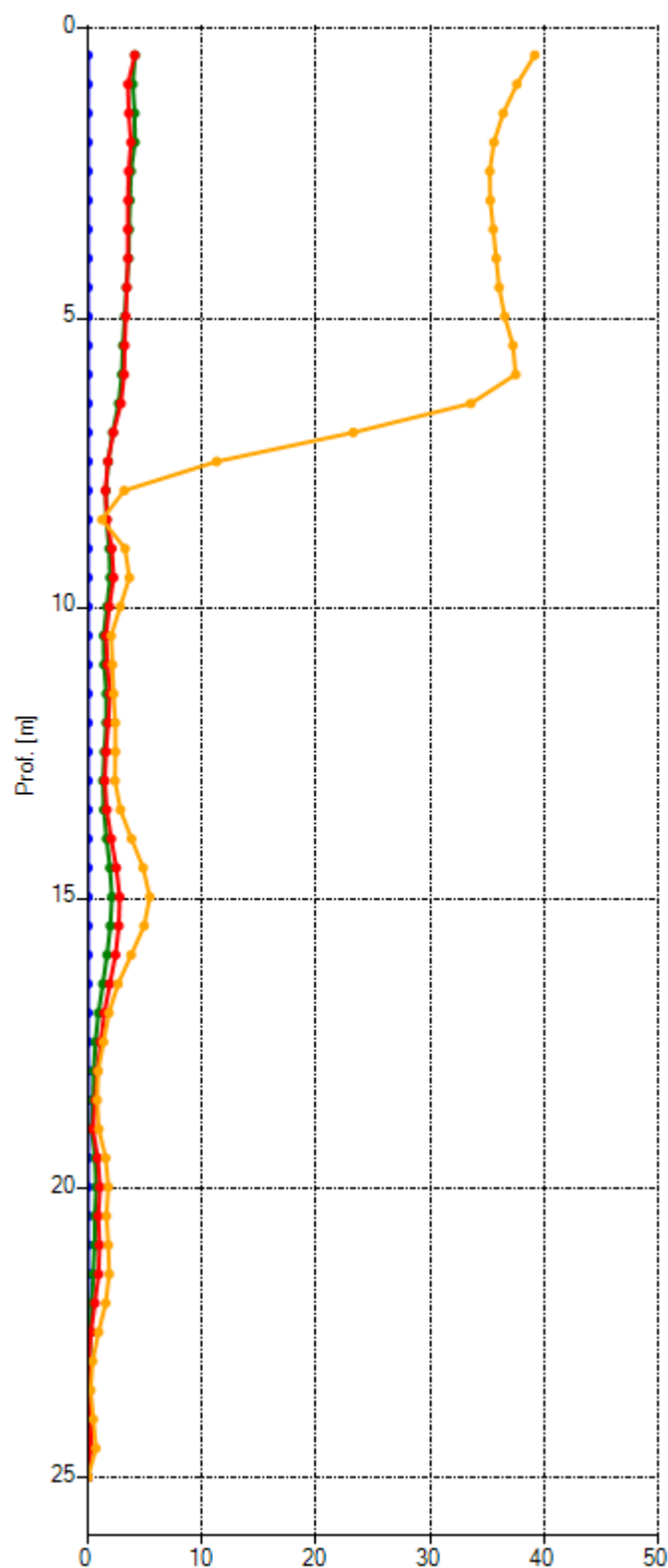
Spostamento Nord [mm]

Spostamento Est [mm]



06/11/2024 15:01:09 16/11/2023 10:10:52 01/12/2022 00:00:00 12/05/2022 00:00:00

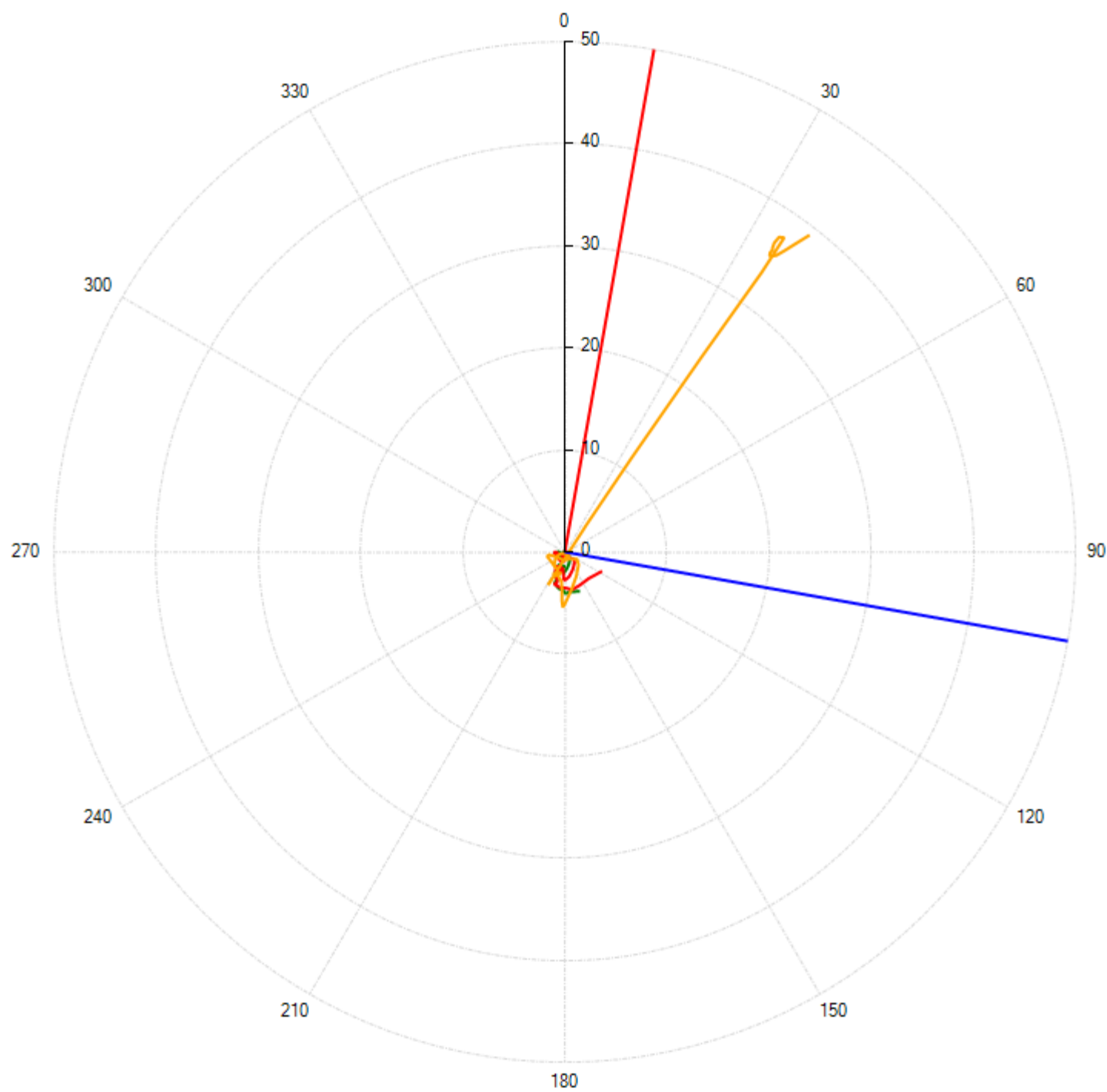
Misura inclinometrica di riferimento 12/05/2022 00:00



06/11/2024 15:01:09 16/11/2023 10:10:52 01/12/2022 00:00:00 12/05/2022 00:00:00

Misura inclinometrica di riferimento 12/05/2022 00:00

Polare



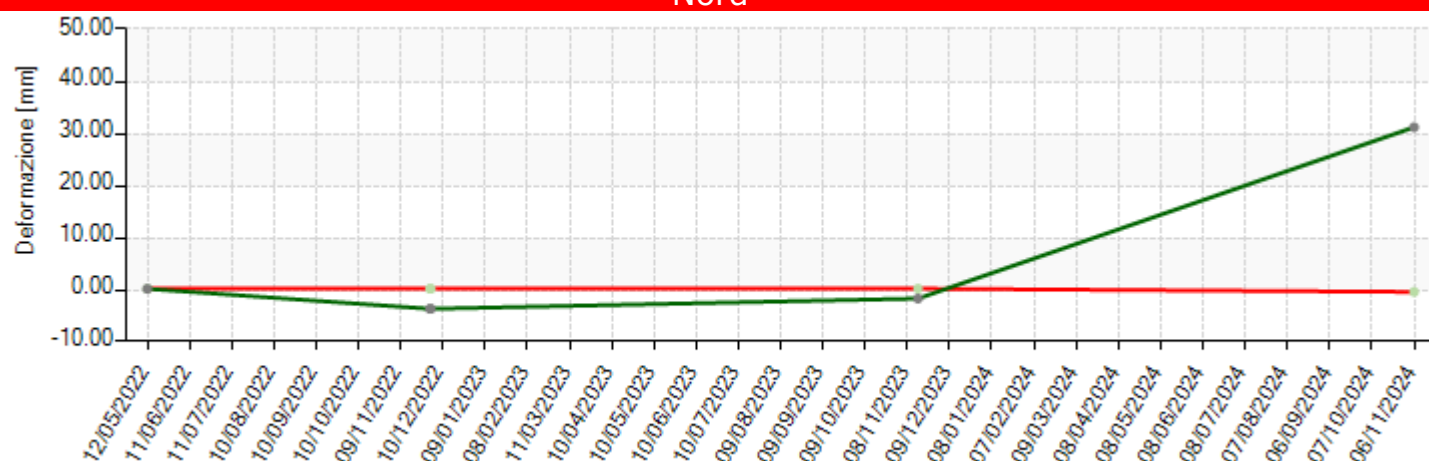
— A+ — B+

06/11/2024 15:01:09 16/11/2023 10:10:52 01/12/2022 00:00:00 12/05/2022 00:00:00

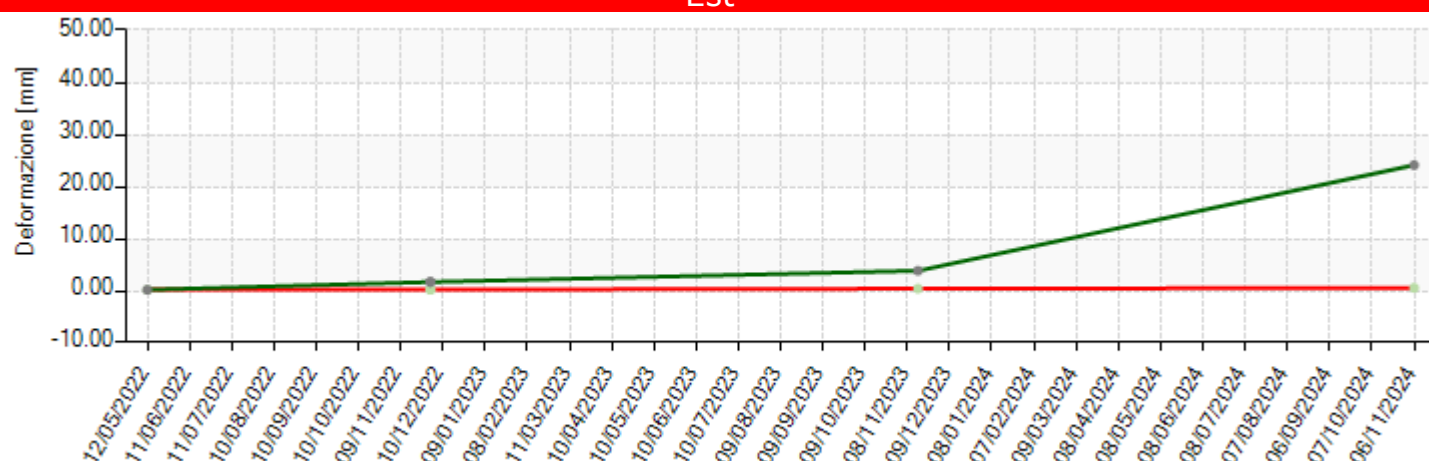
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Deformazione nel tempo

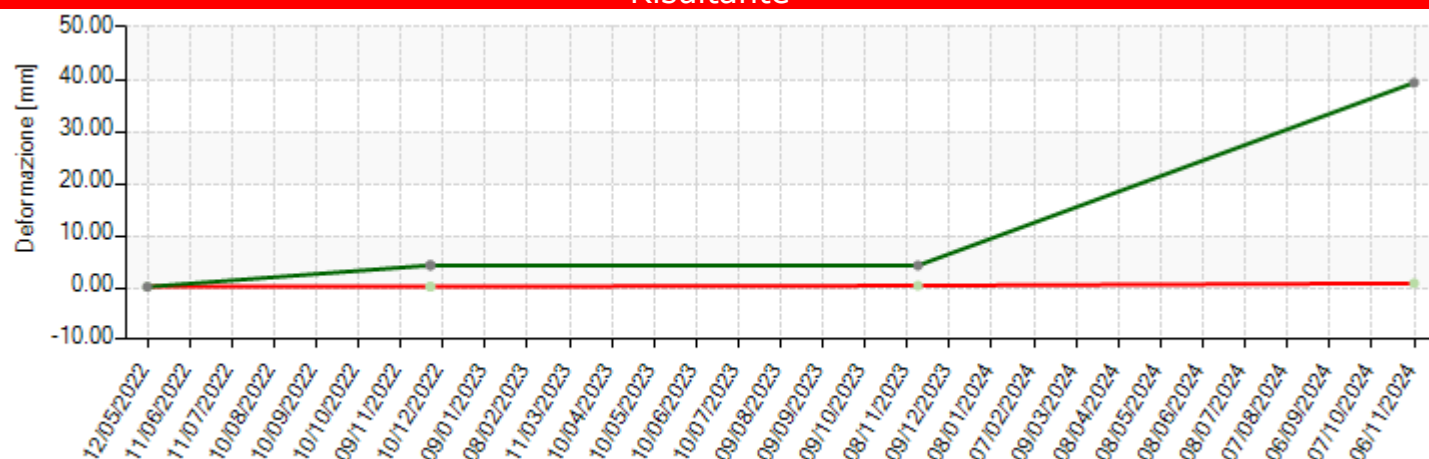
Nord



Est



Risultante



Prof.: ■ 0.50 (414.50) [m] ■ [m] ■ 24.50 (390.50) [m]